



ASEAN ENERGY MARKET INTEGRATION (AEMI)

AEMI FORUM

August 27-28, 2013

Montien Hotel Bangkok

Organizers

The ASEAN Secretariat

The ASEAN Secretariat was set up in February 1976 by the Foreign Ministers of ASEAN. It was then housed at the Department of Foreign Affairs of Indonesia in Jakarta. The existing ASEAN Secretariat at 70A Jalan Sisingamangaraja, Jakarta was established and officiated in 1981 by the then President of Indonesia, H.E. Soeharto. The ASEAN Secretariat's basic function is to provide for greater efficiency in the coordination of ASEAN organs and for more effective implementation of ASEAN projects and activities. The ASEAN Secretariat's vision is that by 2015, it will be the nerve centre of a strong and confident ASEAN Community that is globally respected for acting in full compliance with its Charter and in the best interest of its people. The ASEAN Secretariat's mission is to initiate, facilitate and coordinate ASEAN stakeholder collaboration in realising the purposes and principles of ASEAN as reflected in the ASEAN Charter.

ASEAN Centre for Energy (ACE)

ACE is an intergovernmental organization established by Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. It is guided by Governing Council composed of the Senior Officials on energy of the ASEAN countries and a representative from the ASEAN Secretariat. Core funding is provided by an Energy Endowment Fund established from equal contributions of the ten member countries and managed by a private fund manager.

Chulalongkorn University

ASEAN Studies Center

Chulalongkorn University is aware of the importance of ASEAN in the Southeastern Region of Asia and its role in the world community. Therefore, it has established a foundation for ASEAN studies and has promoted collaboration with outside communities in the government and private sectors and the people's sector in Thailand as well as in rest of the Southeastern Asian Region. The faculties, colleges, institutes, faculty members, researchers and students have consistently developed and produced academic work, research and academic services in order to boost an in-depth understanding of ASEAN members and the whole region in terms of overall image and policy. The University has also deemed it appropriate to launch a policy to create competent and valuable graduates to serve the ASEAN and world community. As ASEAN has become increasingly important and its member countries have set their goal to become parts of the ASEAN community, based on the three main principles of a Political and Secure ASEAN Community, an Economic ASEAN Community and a Social and Cultural ASEAN Community, Chulalongkorn University, in its capacity as the academic pillar of Thailand, has established the ASEAN Studies Center at Chulalongkorn University with the consent of the Chulalongkorn University Council at its 734th meeting on Thursday, May 26th, 2011.



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The duties of the center are to coordinate work related to ASEAN Studies within the university, to build up the competency of the faculties, colleges and institutes to create a body of knowledge, to develop an in-depth collaborative academic network related to ASEAN issues and to disseminate the knowledge about ASEAN through extensive activities. All these are to be executed with the aim of establishing the University as a reference center for ASEAN Studies at a national, regional and international level.

Energy Research Institute (ERI)

The Energy Research Institute (ERI) was established as an institute under Chulalongkorn University on April 18th, 1991 based on policy of the university to emphasize on research as equal to teaching and learning and also on addressing the energy issues after the world energy crisis in 1973 and 1979. Since 1991, ERI has been conducting activities including policy research on energy and environment issues, and providing academic services to public in the field of energy efficiency and conservation as well as alternative energy. These activities have been mainly supported by government agencies, international agencies, and private sector. In addition, ERI has involved in the issues related to Climate Change and CDM Business Opportunities with the objective to assist Thailand to promote clean energy projects. With all the main activities mentioned, ERI has built up strong networks with key institutions related to energy and environment, including not only government agencies, private sector, and universities in Thailand, but also international agencies.

Faculty of Economics

The Faculty of Economics, Chulalongkorn University, was officially founded on August 8, 1970 as a result of the collaboration between the Department of Economics in the Faculty of Commerce and the Department of Public Finance in the Faculty of Political Science. The principal objective of the Faculty is to undertake activities that promote economic and social development of Thailand. The Faculty is committed to excellence in teaching and research. Faculty members are encouraged to undertake higher-level training and participate in seminars and workshops abroad. Applied research and policy research are two specialties for which the Faculty is most reputed. Research works particularly in the fields of Political Economy, International Economics, Industrial Economics, Health Economics, Labor Economics and Environmental Economics have yielded results that have proved useful to the formulation of economic and social policies by the Thai government. Several faculty members have also been appointed advisors and consultants to numerous agencies, both domestic and international.



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KEYNOTE SPEAKER

H.E. MR. PONGSAK RUKTAPONGPISAL

Minister of Energy of the Kingdom of Thailand



H.E. Mr. Pongsak Ruktapongpisal has been appointed as Minister of Energy of the Kingdom of Thailand, effectively 27th October, 2012.

H.E. Mr. Pongsak vigorously broadens Thailand's energy sector's range of policies, and conducts various attempts in order to enhance its dominant position. His Excellency targets Thailand's energy sector to achieve its security and diversification through effective policy framework with timely manner and efficient budget allocation. This ultimate policy framework has been certainly shaped and grounded by His Excellency's academic background and years of experience in civil engineering. His Excellency foresees Thailand as power grid and pipeline network hub in ASEAN in next 20-30 years as this position will provide Thailand a great revenue stream which undoubtedly supports Thailand to get away from its current middle income trap and to shift up its economy to a new level. Moreover, His Excellency initiates country incentives to renewable energy development and energy conservation for energy sustainability.

H.E. Mr. Pongsak received his Bachelor Degree in Civil Engineering from Chulalongkorn University, Thailand. His Excellency has had concentrated experience in Thailand's country development, and has put strenuous efforts on various social contribution as well as country strategies and financial performance throughout his political career path.

In addition to his current position, H.E. Mr. Pongsak holds the previous positions: 2005-2006 Minister of Transport; 2004-2005 Minister of Industry; 2003-2004 Deputy Minister of Commerce; 2003 Vice Minister for Education; 2002-2003 Deputy Secretary-General to The Prime Minister for Political Affairs; 2001-2003 Secretary-General to The Government WHIP; and 2001-2006 Member of the House of Representatives. For social contribution, H.E. Mr. Pongsak holds the previous positions: 2006 – 2009 Advisor, Chulalongkorn University Alumni Association; 2006 – 2007 Consulting Board, Chulalongkorn University Engineering Alumni; 2005 – 2007 President of Professional Golf Association of Thailand; 2004 – 2005 Vice-President of Chulalongkorn University Alumni Association; 1998 – 2000 Chairman of the Executive Board, KIS International School; and 1998 Founder of KIS International School



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PROFESSOR PIROM KAMOLRATANAKUL, M.D.

President of Chulalongkorn University



Prof. Pirom Kamolratanakul received his B.Sc in 1970 and M.D. in 1972 from Chulalongkorn University; The Thai Board in General Practice from The Medical Council, Thailand in 1976; M.Sc.(Clinical Epidemiology) from Mc Master University, Canada in 1983; The Thai Board in Preventive Medicine from The Medical Council, Thailand in 1985; Certificate in Clinical Economics from The Wharton School, USA in 1987; M.Sc.(Clinical Epidemiology) from The University of Pennsylvania, USA in 1990; Certificate in Management Training Program from University of Toronto, CANADA in 1991; National Defence Program from National Defence College in 2001; and The Thai Board in Family Medicine from The Medical Council, Thailand in 2002.

He was a professor at Department of Preventive & Social Medicine Chulalongkorn University (since 1992); Dean, Faculty of Medicine, Chulalongkorn University (1999-2007); and Director, King Chulalongkorn Hospital, Thai Red Cross Society, Bangkok, Thailand (1999-2007) and some other positions were Advisor to the Minister of Public Health; Tempolary advisor to the Regional Director, WHO; Member of the FDA, Ministry of Public Health; Chair, National Board Examination for Residency Training Program in Preventive Medicine (Epidemiology); The Scientific & Technical Advisory Committee of Special Programme for Research And Training in Tropical Diseases, World Health Organization (WHO); The Advisory Committee on Health Research , WHO; The Task Force on Health Research Management on Capacity Building , WHO; and Chairman of the Council of University Presidents of Thailand.



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MR. TRAN DONG PHUONG

Director for Finance, Industries and Infrastructure, Department of
ASEAN Economic Community, The ASEAN Secretariat



Mr. Tran Dong Phuong got Bachelor of Mechanical Engineering (Engineer), specialisation in Aircraft Production Technology, Czech Technical University in Prague, Czech Republic (Former Socialist Republic of Czechoslovakia) in 1985 and Master of Commerce (Hon.) in Economics, specialisation in international economics and development economics, University of Wollongong, Australia in 1996.

He was Director-General for ASEAN Economic Integration, Multilateral Trade Policy Department, Ministry of Trade of Viet Nam and leader of Viet Nam to ASEAN Senior Economic Officials Meeting (SEOM) from Dec. 2004 to Jun. 2006; Cluster Director for Trade and Facilitation, Bureau for Economic Integration and Finance, ASEAN Secretariat; in charge of ASEAN economic integration in the areas of trade in goods, customs, standards and conformance and services from Jul. 2006 – Apr. 2009; Assistant Director, Head of Infrastructure Division, ASEAN Economic Community Department, ASEAN Secretariat. Supervising a Division in charge of ASEAN integration in transport, ICT, energy, minerals and tourism from Apr. 2009 to Jun. 2013; and Director for Finance, Industries and Infrastructure, Department of ASEAN Economic Community, ASEAN Secretariat; supervising 4 Divisions: Agricultural Industries and Natural Resources Division, Finance Integration Division, Infrastructure Division and Division of Initiative for ASEAN Integration and Narrowing Development Gaps since Jul. 2013.



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DR. HARDIV H. SITUMEANG

Executive Director, ASEAN Centre for Energy (ACE)



Dr. Hardiv is currently a Chairman of Indonesian National Committee- World Energy Council (KNI-WEC), and advisor to the National Development Planning Agency on Indonesia Climate Change Sectoral Roadmap for Mitigation Actions. The WEC is a global, non-profit, multi-energy organization, dedicated to promoting the sustainable supply and use of energy for the greatest benefit of all, established in 1923.

He was Senior Advisor to the BoD, Indonesia State Electricity Corporation – PT PLN (Persero) from 2003 to 2009, and Director of Planning from 1998 to 1999 and from 2001 to 2003, responsible for corporate plan, power system expansion planning, analysis and evaluation of corporate performances as well as corporate information system. Prior to these, Hardiv was Head of Transmissions and Java-Bali Control Centre, responsible for power system operations and control, transmissions and substations system developments including SCADA and telecommunication system developments as well as its operation and maintenance, and energy transaction. He also conceptualized and led a comprehensive change management initiative to transform the organization into an efficient and autonomous business unit of PLN, and established an internal management performance monitoring system.

Member of Indonesian Delegation for the Conference of the Parties, the Subsidiary Body for Scientific and Technological Advice since 2004, the Ad Hoc Working Group on Further Commitments for Annex I Parties under the Kyoto Protocol since 2007, and the Ad-Hoc Working Group on Long-term Cooperative Action under the Convention since 2008 of the United Nations Framework Convention on Climate Change.

His main interests are in Energy and Climate Change on Mitigation Actions, Long-term Energy Planning, Power System Planning, Operations and Control, and Project Financing including Legal, Operational and Technical Aspects. At present, focusing on Energy and Climate Change issues particularly on Mitigation Actions, and Carbon Capture & Storage.



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Dr. Chayodom Sabhasri

Dean, Faculty of Economics, Chulalongkorn University

Chayodom Sabhasri has been the Dean of the Faculty of Economics, Chulalongkorn University, since April 2012. He earned his Ph.D. in Economics from University of Wisconsin-Madison, MSc, in Economics from the LSE, and B. Econ from Chulalongkorn University. He has over 70 publications in books and academic papers. In the beginning of his career, his academic works concentrated on international finance. Recently, most of his projects have been on the economic integration especially the issues free trade areas. He is an advisor to the General Director of the Department of International Trade Promotion, Ministry of Commerce. Lately, he has been appointed to be a member of Performance Appraisal Committee for State Own Enterprises, Ministry of Finance.



Dr. Bundhit Euaarporn

Director, Energy Research Institute (ERI), Chulalongkorn University

Dr. Bundhit Euaarporn is currently the Director of the Energy Research Institute (ERI), and also a Professor in Electrical Engineering Department, Faculty of Engineering, Chulalongkorn University. Since joining the university in 1992, he has been actively participating in research projects concerning mainly energy and environmental issues. Dr. Bundhit's main interests cover power system operation, as well as planning, energy policy and modeling. The first area covers optimal short-term power system operation and long-term power system planning, especially with application of probabilistic methods, whereas the later focuses on energy policy development based on the energy system modeling and simulations. He has a vast array of publications and contributions to books in these two areas, and has conducted numerous projects for the Ministries of Energy as well as public authorities. His recent research work includes Thailand Energy Outlook, and the Thailand Energy Master Plan Development for the Thailand Ministry of Energy. During his career, Dr. Bundhit also served as a Member of Board of Director, Metropolitan Electricity Authority (MEA), Thailand as well as the Board of Sub-committees, Energy Policy & Planning Office (2003, 2005). Dr. Bundhit earned his Ph.D. in Engineering from Imperial College, University of London.



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Dr. Suthiphand Chirathivat

Executive Director, ASEAN Studies Center, Chulalongkorn University

Dr. Suthiphand chairs Chula Global Network and ASEAN Studies Center. He teaches economics at Chulalongkorn University. Until recently, he was Dean, Faculty of Economics, Chairman of the Ph.D. Program in Economics, Chairman of Economics Research Center and Center for International Economics. He has previously served as Director of the Centre for European Studies and Center for International Economics at Chulalongkorn University. Concurrently, Dr. Suthiphand holds professional positions including Vice Chairman of Economics Discipline Committee, National Research Council, Honorary President of the Former Students in France, member of the International Advisory Board, ASEAN Economic Bulletin, editorial member of Asian Business and Management, Vice President of the Alliance Francaise of Bangkok. Dr. Suthiphand previously held a position as Advisor to the Ministers of Foreign Affairs, Minister of Commerce, Minister of Agriculture, Minister of Finance, Deputy Minister of Transport and Communications and Economic Affairs Committee and also Foreign Affairs Committee of the Thai Parliament. He was also Member of the APEC Panel of Independent Experts, Founding Member of the EU-LDC networks of the Netherlands Economic Institute, Member of the Triple-T Task Forces of the Pacific Economic Cooperation Council (PECC). He represented Thailand, East Asia Expert Study Group (ASEAN+3 until 2009) and Comprehensive Economic Partnership in East Asia (CEPEA). He also served as President of the Association of Former Students in France, Thailand and Executive Member of the Economic Society in Thailand.



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Dr. Thierry Lefèvre

*Director, Centre for Energy-Environment Resources Development (CEERD),
Thailand*

Dr. Thierry Lefèvre is the Director of the Centre for Energy Environment Resources Development – Foundation (CEERD-F) based in Bangkok, Thailand. Between 1991 and 2002, he was the Director of the Center for Energy-Environment Research & Developpement based at the Asian Institute of Technology (AIT), Bangkok, Thailand, which he founded in 1991. CEERD conducts activities and research on energy-environment economics, planning, modeling, policy, markets, and technology in the framework of national and international cooperation projects to strengthen the capacity of national governments in Asia and the Pacific for energy-environment planning and policy formulation. Prof. Lefevre has 42 years of international experience in teaching and research activities on above fields of expertise. He has been responsible for the management and implementation of a large number of major research and development projects in his field of expertise with national, international and multilateral agencies, and he has published many papers, articles, books and/or parts of books. Dr. T. Lefèvre received his Master and PhD degrees from the University Paul Sabatier, Toulouse, France. He has also an Electronic and Mechanical Engineering degree from Paris, France, and a Master in Business Administration from the University Simon Bolivar, Caracas, Venezuela. He is currently member of the “APEREC Advisory Board” (Tokyo, Japan). He is a Member of the Advisory Board of the Helmholtz Research School on Energy Scenarios of the University of Karlsruhe, Germany. He was member of the “IAEA DECADE’s Programme Steering Committee” (Vienna, Austria). He is also member of Professional Societies such as the “Siam Society of Thailand”, the “Foreign Correspondent Club of Thailand”, the “Venezuelan Association for the Advancement of Science” (Caracas, Venezuela), and the “International Network of Small Hydro Power” (Hangzhou, China).



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Dr. Xunpeng Shi

*Chief Researcher for Energy Efficiency and Conservation,
Brunei National Energy Researcher Institute (BNERI), Brunei Darussalam*

Xunpeng Shi was an energy economist in the Economic Research Institute for ASEAN and East Asia (ERIA), where was in charge of a variety of energy research projects on issues such as energy outlooks, EEC, biodiesel standardization, bioenergy sustainability, and energy market integration. He was Secretary to Board of Directors of China Shenhua Coal Liquefaction Co. Ltd before he pursued his PhD study. He had seven years' work experience in China's leading energy institutes, company and central government agencies. He has published many papers in areas of energy economics and policy, development economics, the Chinese economics, and environmental economics. He obtained his PhD of Economics and Master of Environmental and Resource Economics from the Australian National University, LLM in Mineral Law and Policy form University of Dundee and Bachelor of Engineer in Marketing from China University of Mining and Technology.



Dr. Srinivasa Madhur

*Director of Research, Cambodian Development Resource Institute (CDRI),
Cambodia*

Srinivasa Madhur is currently Director of Research at Cambodian Development Resource Institute (CDRI), Cambodia. He previously served as Visiting Fellow at Korea Institute for International Economic Policy (KIEP), Republic of Korea. He had many years' work experience in Asian Development Bank (ADB). He has several publications prepared to ADB such as "Institution for Asian Integration: Toward an Asian Economic Community (2011)", "India 2039: Affluent in One Generation: Determined Marathoner or Sporadic Sprinter (2009)". He is a key expertise on managerial experience in a multilateral development institution – strategic leadership, human resource management, budget preparation and management, and work planning and supervision as well as policy dialogue with Asian governments on development issues at the ministerial and senior official levels.



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Dr. Tri Widodo

Professor and Head of Economics, Faculty of Economics and Business, Gadjah Mada University, Indonesia

Tri Widodo got Bachelor degree from FEB-GMU (1995), Graduate Diploma of Economics of Development (Grad.Dip.Ec.Dev.) (1999) and Master of Economics of Development (M.Ec.Dev) (2000) from *Australian National University*, Australia; and Doctor of Philosophy (Ph.D) in Economics from *Hiroshima University of Economics*, Japan (2009). His works have been published in *Journal of Economic Integration; Asia-Europe Journal; ASEAN Economic Bulletin; Journal of AKI Ronsou; GAMA International Journal of Business; Economics and Finance Indonesia; HUE Journal of Economics and Business; Journal of Accounting, Management and Economics Research; Journal of Indonesian Economy and Business; and Journal of Chinese Economic and Foreign Trade Studies.*



Dr. Maxensius Tri Sambodo

Researcher, Indonesian Institute of Sciences-Economic Research Center (LIPI), Indonesia

Maxensius Tri Sambodo obtained his Ph.D. degree from the National Graduate Institute for Policy Studies (GRIPS), Japan in September 2012. The title of dissertation is *Mathematical Modeling Analyses for Investigating the Future Expansion of the Electric Power System in Indonesia*. He has presented papers in many international conferences on energy. Currently, he is conducting research on Energy Market Integration and Renewable Energy collaboration with ERIA. He also obtains research funding from Indonesian government to conduct research on electricity access and people welfare, and development of solar panel.



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Dr. Phouphet Kyophilavong

Associate Professor and Director of Research Division, Department of Economics and Business Management, National University of Laos, Lao PDR

Dr. Kyophilavong is an Associate Professor and Director of the Research Division at the Faculty of Economics and Business Management, National University of Laos. He received his PhD in economics from Kobe University in 2003. Since then, he has been carrying out research on macroeconomic management issues, Small and Medium Enterprises (SMEs) development, micro-finance, economic integration, natural resources and environmental issues, and poverty in Laos and has published over 20 papers in academic journals, and book chapters. He has directed numerous projects in his areas of expertise and has worked closely with national organizations, universities and government agencies in Laos, as well as with international organizations such as the Asian Development Bank (ADB), ADB Institute, Japan International Cooperation Agency (JICA), IUCN, UNDP, UNESCAP, Mekong River Commission (MRC), IUCN, World Trade Organization (WTO), Economic Research Institute for ASEAN and East Asia (ERIA), and World Bank. He was also the visiting scholar at Pukyong National University, Nagoya University and the University of Laval.



Mr. Jessie L. Todoc

Country Manager - Philippines

Program Manager, SEA Energy Access and Alternative Energy, International Copper Association Southeast Asia, the Philippines

In this capacity, he develops and oversees ICASEA's partnership programs in the Philippines on sustainable energy and building construction. He also serves as ICASEA's Program Manager for SEA Energy Access and Alternative Energy, and provides technical direction to the program's development and implementation currently in Indonesia, the Philippines, and Vietnam. Before joining ICASEA in 2010, Jessie had worked out of Bangkok for 14 years as international researcher and consultant on energy economics, planning, and policy. During this period, he had been involved in the development and implementation of a number of energy technical assistance projects and market, policy and feasibility studies in Southeast Asia. In the Philippines, he had also worked at the Energy Regulatory Commission and Department of Energy. Jessie has a bachelor's degree in electrical engineering, a master's degree in international business management, and attended graduate courses in business economics.



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Dr. Hezri Adnan

Senior Fellow, Technology, Innovation, Environment, and Sustainability Programme (TIES), Institute of Strategic and International Studies (ISIS), Malaysia

Hezri Adnan has fifteen years experience in research and policy advocacy on sustainable development issues. His specialization is comparative environmental policy spanning areas such as green economy, climate change adaptation, and policy integration for sustainability. His latest publications include an edited book titled *Towards a Green Economy: In Search of Sustainable Energy Policies for the Future* and a United Nations occasional policy paper entitled *A Fair Green Economy? Studies of Agriculture, Renewable Energy and Waste Initiatives in Malaysia*. Hezri's academic training is multi-disciplinary, with a Ph.D in Public Policy from the Australian National University, Master of Science in Environment and Development from Universiti Kebangsaan Malaysia and a Bachelor of Science in Biotechnology from University of Sheffield, United Kingdom. He has been awarded research fellowships by various institutions abroad, including the Australian Studies Fellowship by the Department of Foreign Affairs, Commonwealth of Australia, and the Asian Public Intellectuals Fellowship by the Nippon Foundation of Japan. He is currently a Visiting Fellow at the Fenner School of Environment and Society, Australian National University and also an Associate Fellow of the Academy of Sciences Malaysia (ASM).



Dr. Nguyen Thi Mai Anh

Lecturer, Department of Industrial Economics, School of Economics and Management, Hanoi University of Science and Technology, Vietnam

Over 15 years of experiences in teaching and conducting research in energy and environment fields. Experts and analyst for many energy projects like Energy & International Development: Understanding Sustainable Energy Solutions in Developing Countries, promoting energy conservation in small and medium enterprises; promoting high efficiency of public lighting; Rural Electrification & Renewable Energy, assessment of energy policy in Vietnam in terms of sustainable development...Expertise includes organizing large scale of surveys to identify needs of target groups (training, technology transfer needs etc.) and conducting market research in the energy fields. She currently is lecturer of Hanoi university of Science and Technology.



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Dr. Leong Yow Peng

*Director, Institute of Energy Policy and Research,
Universiti Tenaga Nasional (UNITEN), Malaysia*

Dr. Leong Yow Peng held the post of the Director of the Institute of Energy Policy and Research, at Universiti Tenaga Nasional (UNITEN) and recently he has been posted to the National Utility Company, Malaysia as the General Manager (Corporate Planning & Innovation). He holds a PhD (Industry & Business Studies) from Warwick Business School, University of Warwick, United Kingdom; MBA from University of Ohio-Athens, USA and B.Sc in Electrical Engineering from University of Missouri-Columbia, USA. He has vast industry experience with the Utility Company in Malaysia, spanning more than 30 years within the realm of the Energy Industry, Utility Business, Marketing and Customer Relationship Management. Prior to his attachment at UNITEN in February 2009, he was the Assistant General Manager (Marketing and Customer Relationship Management) at the Utility Company. He was the project leader in developing the *Roadmap for Carbon Emission Reduction Study for Malaysia* that covers *mitigation, adaptation and technological intervention towards a low carbon economy*. He was involved in the *United Nations Framework Conference on Climate Change (UNFCCC)* negotiations where he represented the Malaysian delegation and participated at the Conference of Parties (COP 16 in Cancun, Mexico, 2010; COP 17 in Durban, South Africa, 2011; and COP 18 in Doha, Qatar, 2012) meetings on issues of interests related to climate change and sustainable development. He was a Moderator at the *ASEAN-CHINA Environmental Cooperation Forum: Innovation for Green Development*, October 2011, Nanning, China - in Session IV: *Environmental Industry Roundtable : Partnership in Green Innovation* and as a Discussant at the *ASEAN 2030 : Growing Together for Shared Prosperity: Workshop on National and Regional Development Issues - ASEAN Energy Needs*, June 2011, Kuala Lumpur, Malaysia. Current Research and Consultancy Interests related to Energy Policy, Energy Economics, Energy Security, Energy and Environment areas.



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Dr. Adoracion Navarro

*Senior Research Fellow, Philippine Institute for Development Studies (PIDS),
the Philippines*

Adoracion M. Navarro's current academic research interests revolve around infrastructure, specifically the water, power, transportation and communications sectors. In joining any infrastructure-related endeavor, she brings with her about 16 years of focused work experience in the analysis of infrastructure policies and projects. She has been conducting infrastructure related research at the Philippine Institute for Development Studies as a Senior Research Fellow. She gained practical knowledge on economic policy analysis through her experience working at the National Economic and Development Authority, Build-Operate-Transfer Center (now Public-Private Partnerships Center), International Monetary Fund, private consultancy firms, and Philippine-based multilateral and bilateral aid agencies. She finished her Ph.D.(Economics) at the University of the Philippines-Diliman. Her Ph.D. dissertation is entitled "Nodal versus Zonal Pricing in Electricity Spot Markets with Perfectly Inelastic Demand: An Analysis of Market Power Exercise and its Impact on Consumer Welfare". She is also an MPA (Economic Policy Management) graduate from Columbia University, New York, USA.



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Dr. Youngho Chang

*Assistant Professor, Division of Economics,
Nanyang Technological University, Singapore*

Youngho CHANG published his research papers in internationally refereed academic journals such as Energy Economics, International Economics, Econometric Theory, Economics Letters, Energy Policy and Korea and the World Economy among others. He co-edited books on energy security such as Energy and Non-Traditional Security (NTS) in Asia, Rethinking Energy Security in Asia (both by Springer), Energy Security: Asia Pacific Perspectives (Manas Publications) and Energy Conservation in East Asia: Towards Greater Energy Security (World Scientific). Along with academic publications, he carried out consultation projects for the public and private sector. He specializes in the economics of climate change, energy and security, oil and macro economy, and the economics of electricity market deregulation. His current research interests are oil price fluctuations and macroeconomic performance, the economics of energy security, and energy use and climate change. He has been interviewed and quoted by global and local media such as the International Herald Tribune, the Strait Times, BBC, Bloomberg, Channel News Asia regarding energy and climate change-related issues. Before working in the academia, Dr Chang worked as a landscape architect for two years in Korea and Saudi Arabia, and a financial analyst for four years in Korea. He was a degree fellow at the East-West Center, Hawaii and received his Ph.D. in Economics (Environmental and Resource Economics) from the University of Hawaii at Manoa, U.S.A.



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Dr. Philip Andrews-Speed

*Principal Fellow, Energy Studies Institute,
National University of Singapore, Singapore*

Philip Andrews-Speed has 35 years in the field of energy and resources, starting his career as a mineral and oil exploration geologist before moving into the field of energy and resource governance. Until 2010 he was Professor of Energy Policy at the University of Dundee and Director of the Centre of Energy, Petroleum and Mineral Law and Policy. After that, whilst a Fellow at the Transatlantic Academy of the German Marshall Fund of the US, he co-authored a report entitled *The Global Resource Nexus. The Struggles for Land, Food, Water and Minerals*. He recently led a major European Union (Framework 7 Programme) project “Competition and Collaboration in Access to Oil, Gas and Mineral Resources”. Recent books include *China, Oil and Global Politics* with Roland Dannreuther (Routledge, 2011) and *The Governance of Energy in China: Transition to a Low-Carbon Economy* (Palgrave MacMillan, 2012).



Dr. Tran Van Binh

*Lecturer, Department of Industrial Economics, School of Economics and
Management, Hanoi University of Science and Technology, Vietnam*

Prior to this, Dr. Tran Van Binh served as Director, Centre for Research and Consulting on Management (HUT) (2007-2010), and as Dean, Faculty of Economics and Management, the Hanoi University of Technology (1996-2003). Dr. Tran Van Binh has participated in many research projects, with the sponsorship and cooperation of national and international institutions including the Ministry of Science and Technology (Vietnam), Asian Development Bank (ADB), Global Environment Facility (GEF), United Nations Development Bank (UNDP), Asian Institute of Technology (AIT). Dr. Tran Van Binh received his Ph.D. and Master Degree in Energy Economics from Pierre Mendes France University, Grenoble 2, France.



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Dr. Nawal Kamel

Visiting Professor, Faculty of Economics, Chulalongkorn University

Dr. Nawal Kamel is a Visiting Professor at the Faculty of Economics, *Chulalongkorn University*, Bangkok. Until recently, she was a Director at the *World Bank*, in Washington DC, a position she had held since 1995. During her career, Nawal has also served at the Deputy Ministerial level in the *Department of Natural Resources*, Canada, working closely with the Minister to advise on decisions regarding his portfolio of energy, mining, and forestry. She was the Canadian lead for a joint *Canada-US Task Force* on electricity distribution in North America, co-chaired by the Ministers of Energy from both the US and Canada. The success of this *Task Force* earned her the *2005 Key Women in Energy-Global* award from the *Energy Marketers Association* in the US. Nawal has also spent two years at the *Oxford Institute for Energy Studies* (UK), an academic organization dedicated to research in energy and to fostering a dialogue between energy producing and consuming countries, and private sector entities. Finally, as part of her contribution to her country of origin, Nawal was also the founding Executive Director of the *Sawiris Foundation for Social Development*, the first family Foundation dedicated to social development in Egypt. Nawal holds a doctorate in Mathematics from the Sorbonne (Paris) and a doctorate in Economics from Oxford (UK).